

REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
 (ER 1130-2-306)

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DATE July 14, 2009

TO: The Record

FROM: U.S. Army Corps of Engineers
 26 Federal Plaza, ATTN: CENAN-OP-ST
 New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:
 New York Harbor, Main Ship Channel, New York

**MINIMUM DEPTHS IN
 CHANNEL ENTERING FROM SEAWARD**

| NAME OF CHANNEL | DATE OF SURVEY | AUTHORIZED PROJECT | | | LEFT OUTSIDE QUARTER (feet) | LEFT INSIDE QUARTER (feet) | RIGHT INSIDE QUARTER (feet) | RIGHT OUTSIDE QUARTER (feet) |
|--|---|--------------------|-----------------|--------------|-----------------------------|----------------------------|-----------------------------|------------------------------|
| | | WIDTH (feet) | LENGTH (nmiles) | DEPTH (feet) | | | | |
| Reach A (Chapel Hill North Channel): From a point approximately 340 feet seaward of GREEN CAN #13 to junction with Ambrose Channel. | Map 59 Pg 1 - 4 of 4; 16, 17, 19, 22 & 23 June 2009 | 1,000 | 2.2 | 30 | 27.6* | 27.5* | 25.8* | 24.3* |
| Reach B Partial (Chapel Hill South Channel): From a point approximately 2000 feet seaward of RED LIGHT AND BELL #10 to a point approximately 340 feet seaward of GREEN CAN #13. | Map 59 Pg 1 of 4; 16, 17, 19, 22 & 23 June 2009 | 1,000 | 0.9 | 30 | 29.8 | 29.7* | 33.8 | 21.5 |

REMARKS:

- All depths in Mean Low Water (MLW).
- Channel length is in nautical miles.
- An * denotes a shoal obstruction.
- **Reach A (Chapel Hill North Channel):** A 3,500 ft. long shoal starts 300 feet seaward of Red Nun # 14 in the Right Outside Quarter and grows wider until it spans most of the Right Outside and Right Inside Quarters at its landward end. The controlling depth shoal obstruction for the Right Inside Quarter occurs 2,700 ft. landward of Red Nun # 14. A 2,600 ft. long region of numerous small shoals extends across the width of the channel and starts approximately 4,400 feet south of the junction with the Ambrose Channel. Sporadic shoal obstructions are denoted on this survey throughout this entire reach.
- **Reach B Partial (Chapel Hill South Channel):** One narrow shoal runs the length of this partial reach on the outside edge of the Right Outside Quarter. It is approximately 60 ft. wide at its widest, 150 seaward of RED LIGHT AND BELL #10. The controlling depth for the quarter occurs here. All other controlling depths occur abeam of RED NUN CHANNEL at the end of the reach.